


Form PTO-1449 U.S. Dept. of Commerce Patent & Trademark Office <div style="text-align: center;">  </div> (Use several sheets if necessary)		ATTY. DOCKET NO. 2420	SERIAL NO. 10/539,423	CONFIRMATION NO. 1101			
		APPLICANT Delgado et al.					
		FILING DATE June 20, 2005		GROUP 1626			
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
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FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES NO
	AL						
	AM						
	AN						
	AO						
	AP						
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
	AR	Akazome et al., "Palladium Complex-Catalyzed Reductive N-Heterocyclization of Nitroarenes: Novel Synthesis of Indole and 2H-Indazole Derivatives," <i>J. Of Org. Chem.</i> , vol. 59, pp. 3375-3380 (1994)					
	AS	Al-Khamees et al., "Synthesis of (±)-(4aS, 13cR)- and (±)-(4aR, 13cR)-1,2,3,4,4a,13c-Hexahydro-5H-indazolol[2,3-d][1,4]benzodiazepin-6(7H)-ones," <i>J. Chem. Soc., Perkin Trans 1</i> , pp. 2001-2006 (1985)					
	AT	Altmann et al., "Arylaminoethyl Amides as Novel Non-Covalent Cathepsin K Inhibitors," <i>J. Med. Chem.</i> , Vol. 45, pp. 2352-2354 (2002)					

EXAMINER	DATE CONSIDERED
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							YES	NO
	BL							
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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)		
	BR	Applegate et al., "The Efficient Synthesis of 3-Arylsydnonees Under Neutral Conditions," <i>Synthesis</i> , pp. 1011-1012 (1988)
	BS	Bamberger, Eugen, "Action of alkalis on orthomethyldiazonium salts," <i>Justus Liebigs Annalen Der Chemie</i> , Vol. 305, pp. 314-331 (1899)
	BT	Finch et al., "Rearrangement of 3-Amino-1-benzylindazole to 4-Amino-2-phenylquinazoline," <i>J. Org. Chem.</i> , Vol. 36(11), pp. 1463-1465 (1971)

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	CL							
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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
	CR	Fischer et al., "Ueber die Hydrazine der Aimmtsaure" <i>Justus Liebigs Annalen der Chemie</i> , Vol. 227, pp. 302-341 (1884)						
	CS	Kawakubo et al., "Sutides on 3-Aminoindazoles. I. Synthesis of 1- or 3-(Substituted 3-Amino)indazoles," <i>Chem. Pharm. Bull.</i> , Vol. 35(6), pp. 2292-2299 (1987)						
	CT	Lark et al., "A Potent Small Molecule, Nonpeptide Inhibitor of Cathepsin K (SB 331750) Prevents Bone Matrix Resorption in the Ovariectomized Rat," <i>Bone</i> , Vol. 30(5), pp. 746-753 (2002)						

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							YES NO
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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
	DR	Leung-Toung et al., "Thiol-Dependent Enzymes and Their Inhibitors: A Review," <i>Current Medicinal Chemistry</i> , Vol. 9, pp. 979-1002 (2002)					
	DS	McGeachin et al., "The Structures of Two Self-Condensation Products from o-Aminobenzaldehyde," <i>Canadian J. of Chemistry</i> , Vol. 4, pp. 2323-2328 (1966)					
	DT	March, <i>Advanced Organic Chemistry</i> , 4 th edition, John Wiley and Sons, New York, pp. 721-723 (1992).					

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							YES NO
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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
	ER	Matassa et al., "Evolution of a Series of Peptidoleukotriene Antagonists: Synthesis and Structure/Activity Relationships of 1,3,5-Substituted Indoles and Indazoles," <i>J. Med. Chem.</i> , Vol. 33, pp. 1781-1790 (1990)					
	ES	Parnell et al., "2-Cyano-4-nitrophenylpydrazine and 3-Amino-5-nitroindazole," <i>J. Chem., Soc.</i> , pp. 2363-2365 (1959)					
	ET	Patil et al., "A New Dimeric Dihydrochalcone and a New Prenylated Flavone from the Bud Covers of <i>Artocarpus atilis</i> : Potent Inhibitors of Cathepsin K," <i>J. Nat. Prod.</i> , Vol. 65, pp. 624-627 (2002)					

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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
	FR	Patil et al., "Haploscleridamine, a Novel Tryptamine-Derived Alkaloid from a Sponge of the Order Haplosclerida: An Inhibitor of Cathepsin K," <i>J. Nat. Prod.</i> , Vol. 65, pp. 628-629 (2002)						
	FS	Pontikis et al., "A New Route to 2'-C-methylene Nucleoside Analogs, Inhibitors of Ribonucleotide Reductase," <i>Tetrahedron Letters</i> , Vol. 36(20), pp. 3523-3526 (1995)						
	FT	Smith et al., "Discovery and Parallel Synthesis of a New Class of Cathepsin K Inhibitors," <i>Bioorganic & Medicinal Chemistry Letters</i> , Vol. 11, pp. 2951-2954 (2001)						

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GR	Song et al., "A Novel Synthesis of 2-Aryl-2H-indazoles via a Palladium-Catalyzed Intramolecular Amination Reaction," <i>Organic Letters</i> , Vol. 2(4), pp. 519-521 (2000)	
GS	Stroup et al., "Potent and Selective Inhibition of Human Cathepsin K Leads to Inhibition of Bone Resorption In Vivo in a Nonhuman Primate," <i>J. of Bone and Mineral Research</i> , Vol. 16(10), pp. 1739-1746 (2001)	
GT	Suwinski et al., "The Mechanism of Elimination of Aldoxime Hydrogensulfates to Nitriles," <i>Polish J. of Chemistry</i> , Vol. 59, p. 521-529 (1985)	

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FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES NO
	HL						
	HM						
	HN						
	HO						
	HP						
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
	HR	Vivona et al., "Mononuclear Heterocyclic Rearrangements. Part 12 (I). Rearrangements of 1,2,4-Oxadiazoles into Indazoles," <i>J. of Heterocyclic Chemistry</i> , Vol. 16(1), pp. 783-784 (1979)					
	HS	Von Auwers et al., "Über Synthesen von N-Acyl-indzolen," <i>Justus Liebigs Annalen der Chemie</i> , Vol. 450, pp. 273-303 (1926)					
	HT						

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